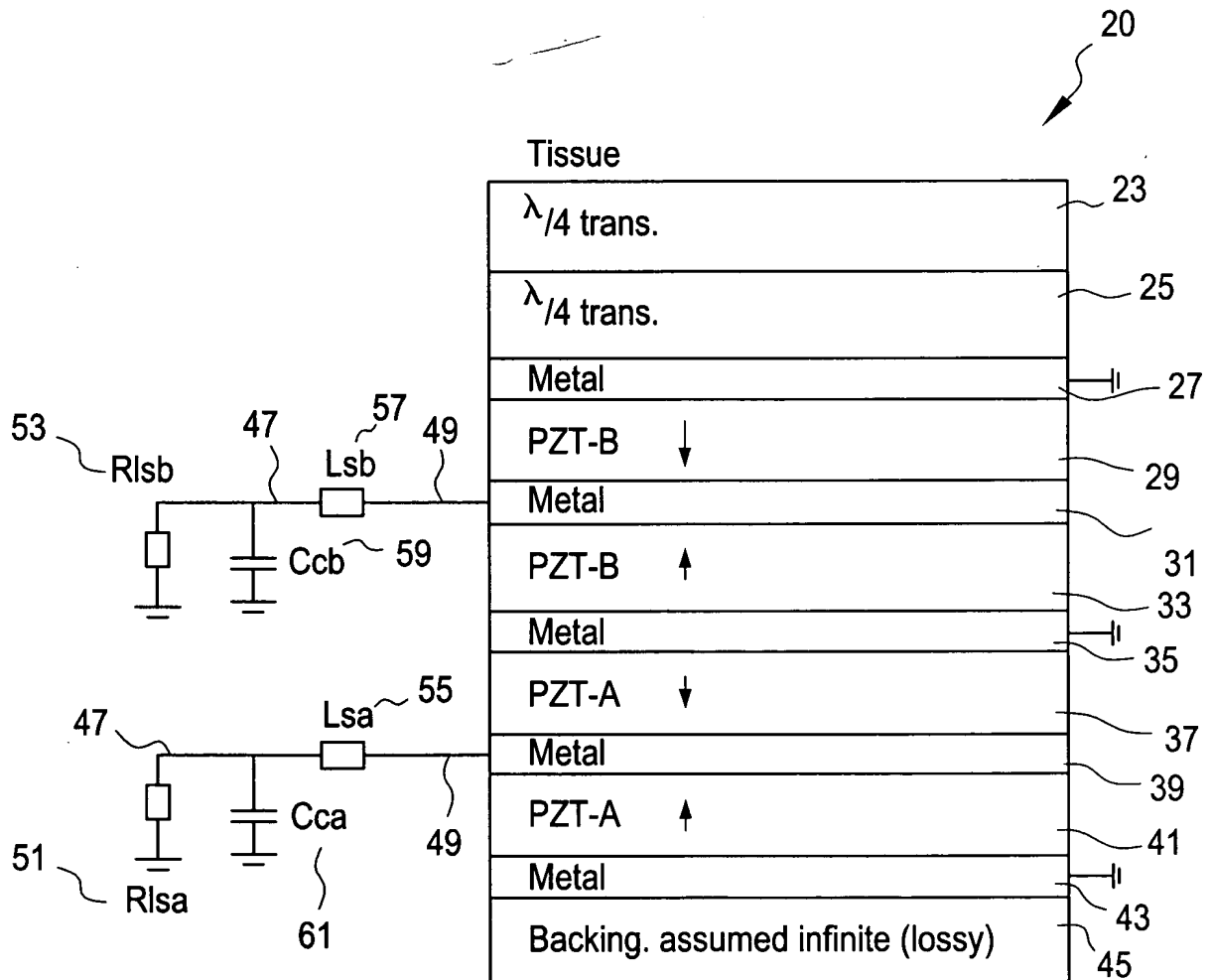


FIG. 1





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FIG. 2

Transducer	Parameter	4*(1-3) 100 Ω
Backing:	Z (MRayl)	2
Metal towards backing:	Z (MRayl) c (m/s) l (μm)	30 3750 15
Elem. a:	Lsa(μH) Cca(pF) Rlsa(Ω) Z^D (MRayl) c (m/s) h (10^9 V/m) ϵ_r^S l (μm) Area (mm^2)	6 100 100 14.06 3569 1.626 888 140 3.0 (2 stk.)
Metal between sub-elements:	Z (MRayl) c (m/s) l (μm)	20 3750 15 (3 stk.)
Elem. b:	Lsb(μH) Ccb(pF) Rlsb(Ω) Z^D (MRayl) c (m/s) h (10^9 V/m) ϵ_r^S l (μm) Area (mm^2)	16 100 100 14.06 3569 1.626 888 116 3.0 (2 stk.)
Metal towards front:	Z (MRayl) c (m/s) l (μm)	30 3750 15
Transf. 1:	Z (MRayl) l / λ v/2.5MHz	8.04 0.25
Transf. 2:	Z (MRayl) l / λ v/2.5MHz	2.63 0.25



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FIG. 3

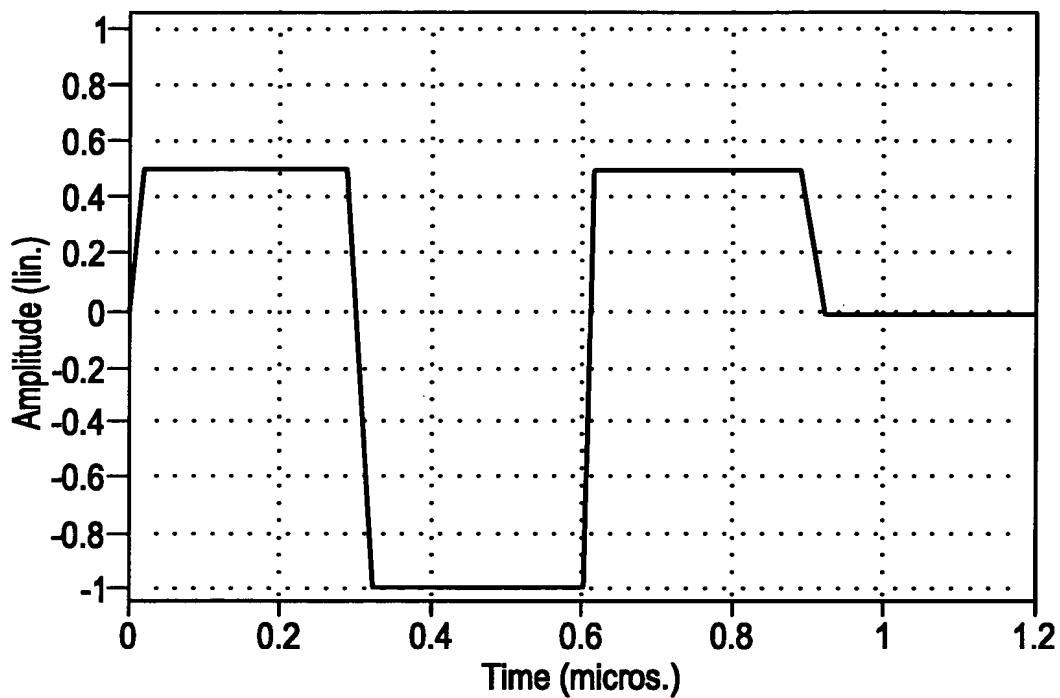
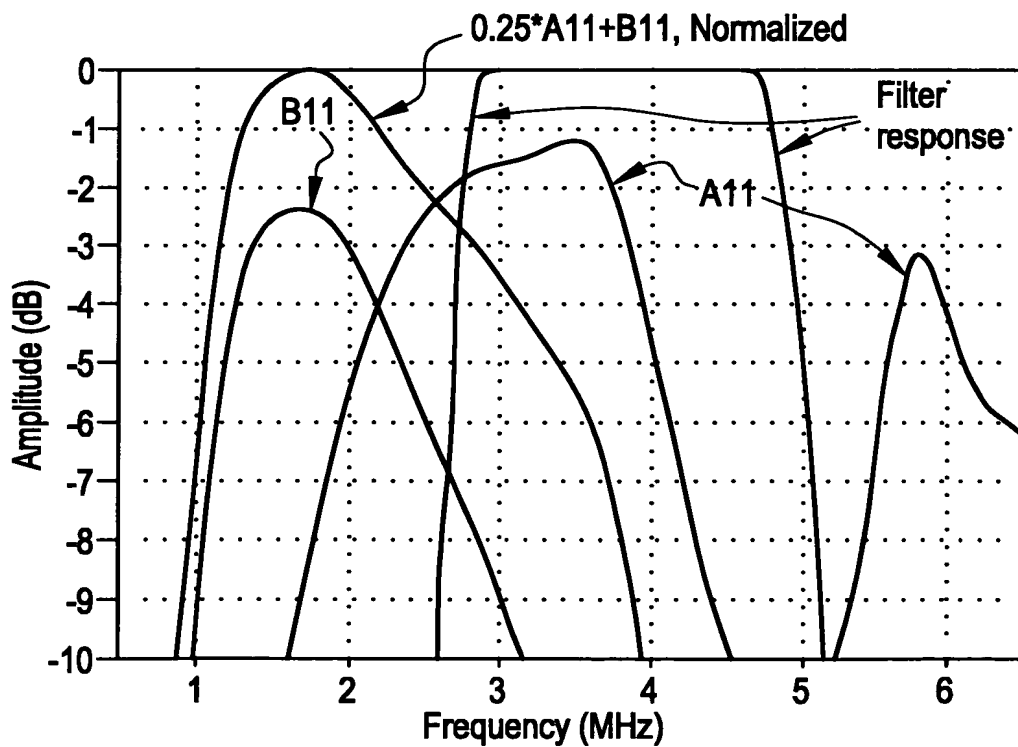


FIG. 4





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FIG. 5

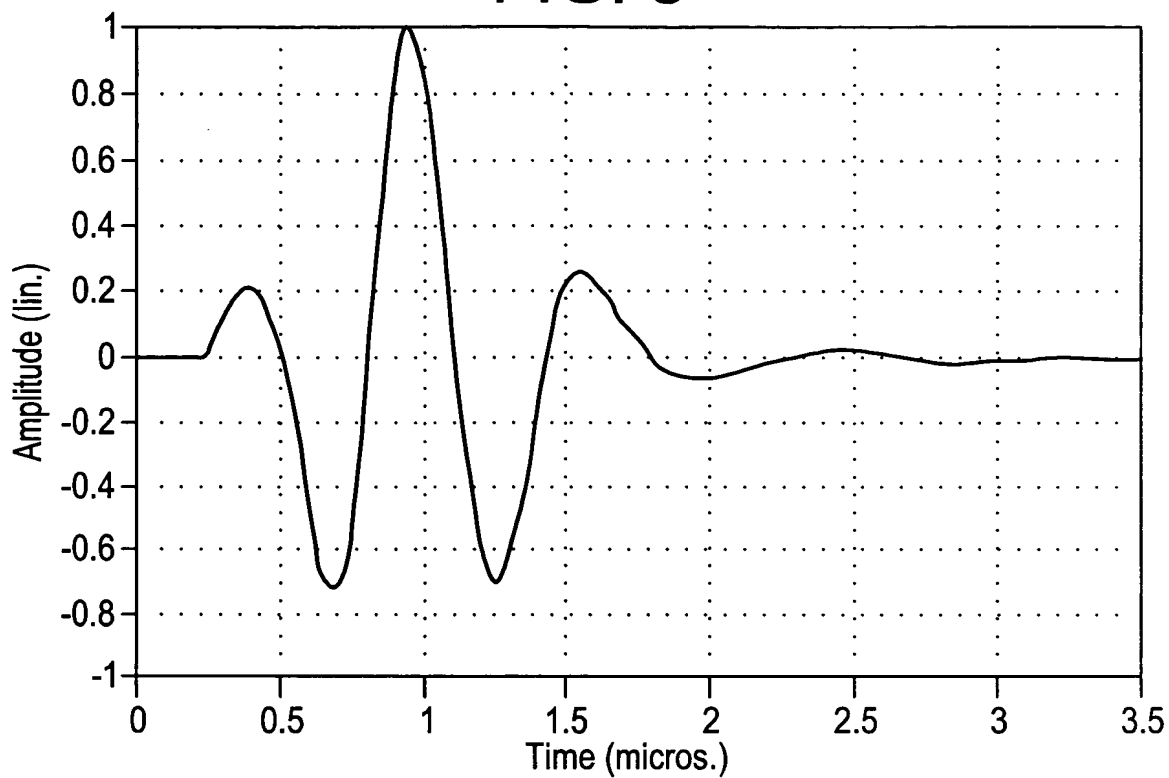
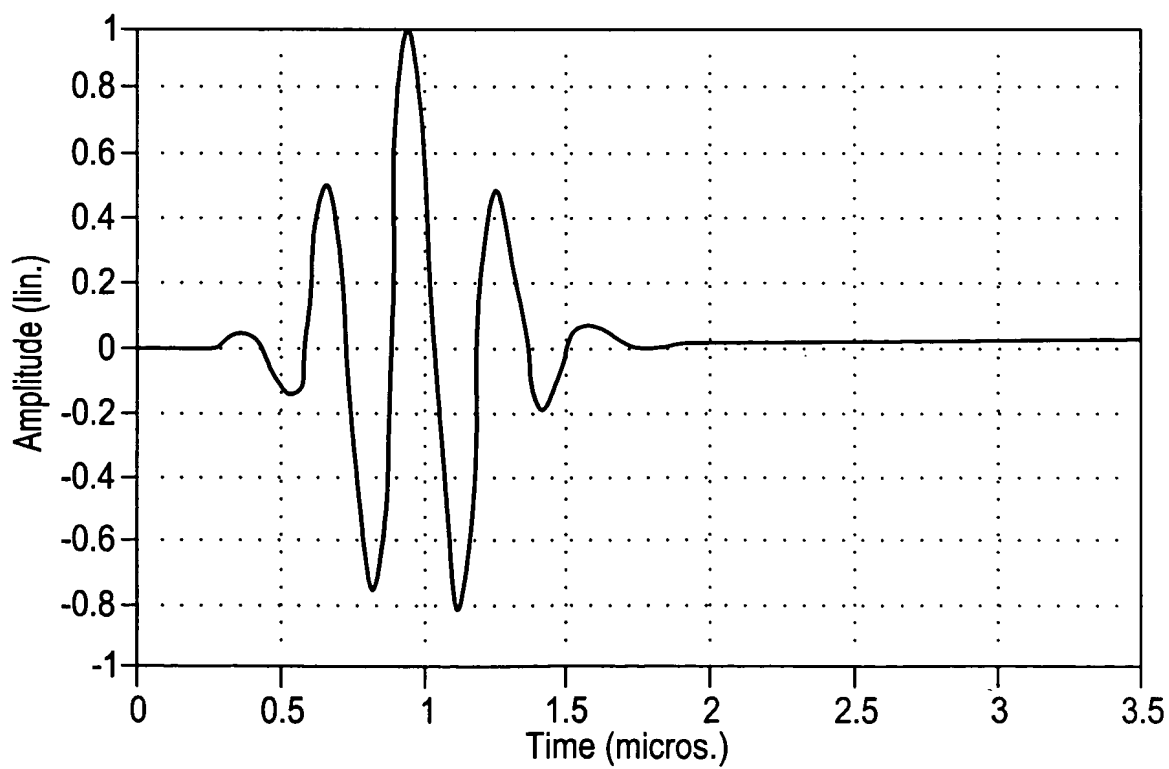
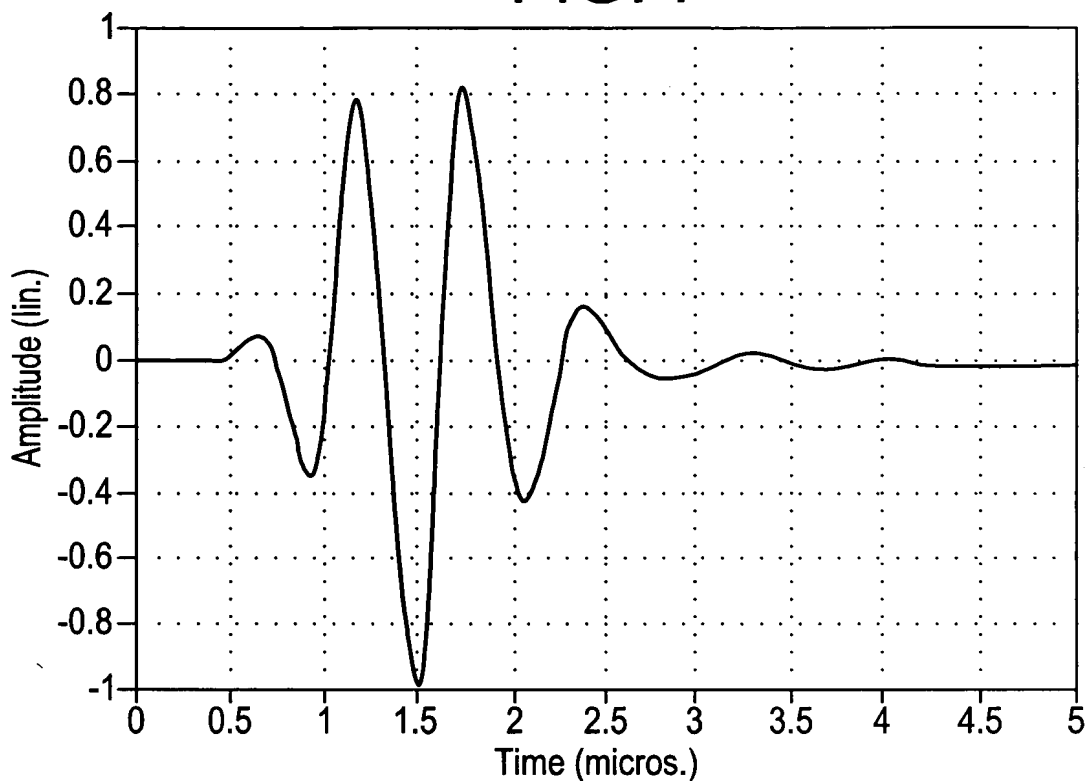


FIG. 6



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FIG. 7



Received first harmonic signal from the pressure in Fig. 5
when using the response B11 in reception.

FIG. 8

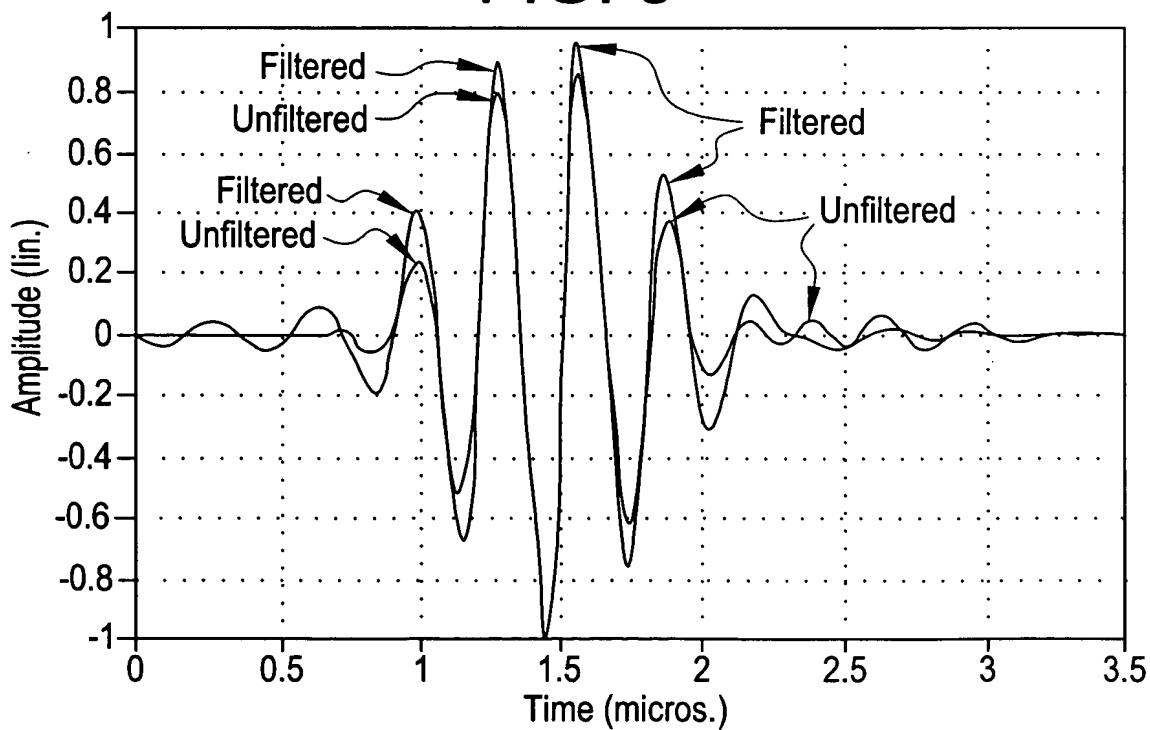


FIG. 9

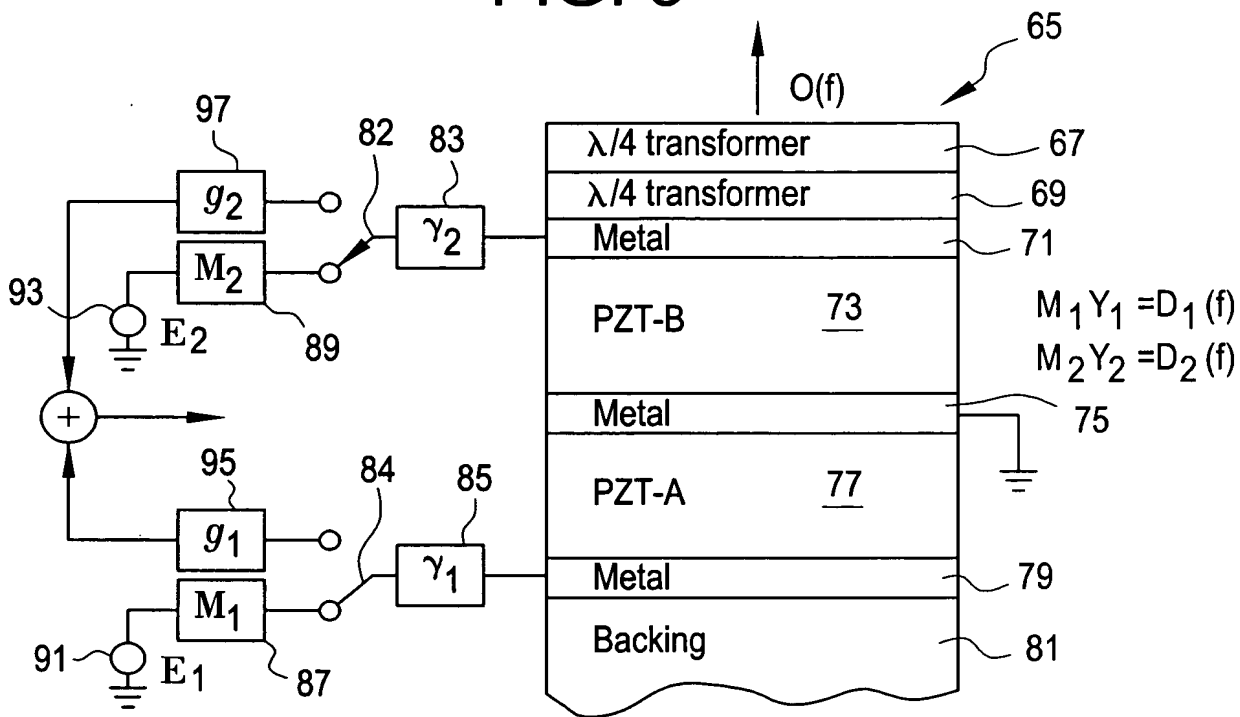


FIG. 10

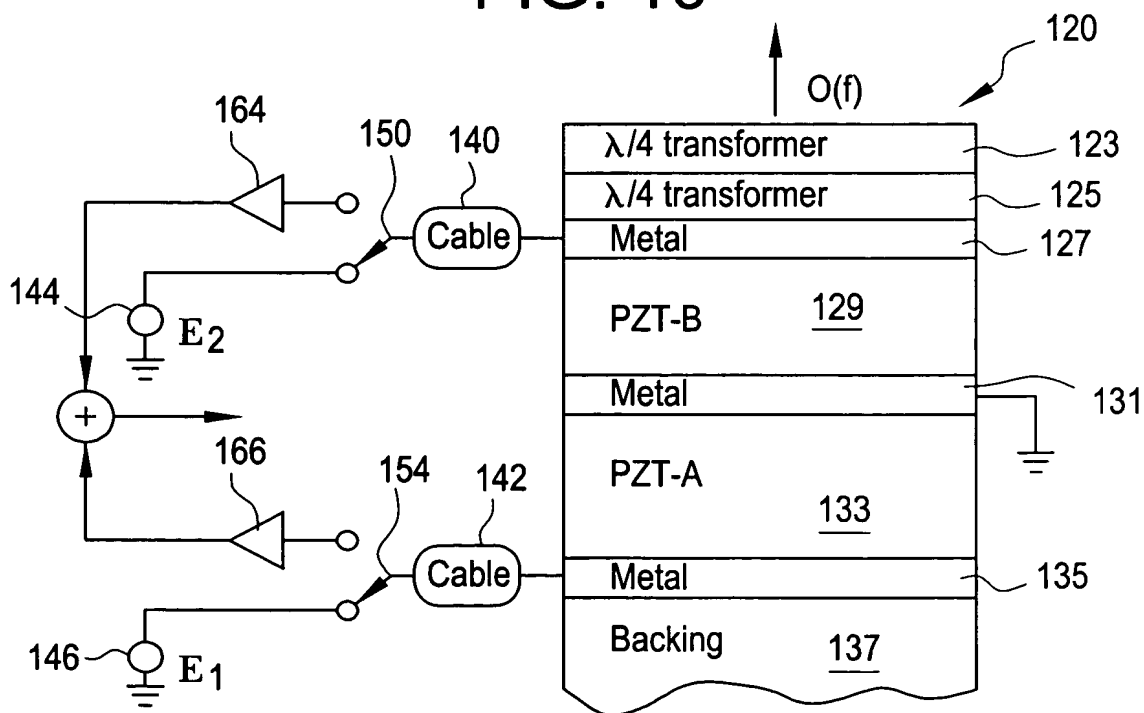


FIG. 11

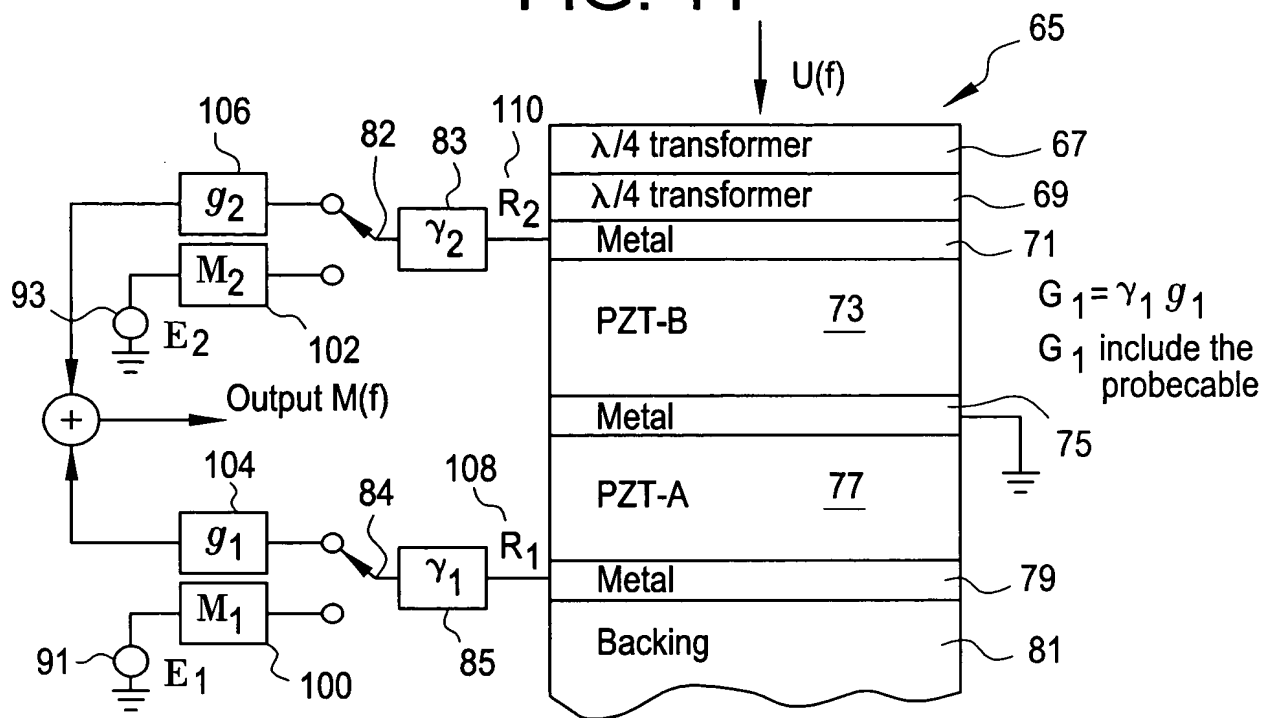


FIG. 12

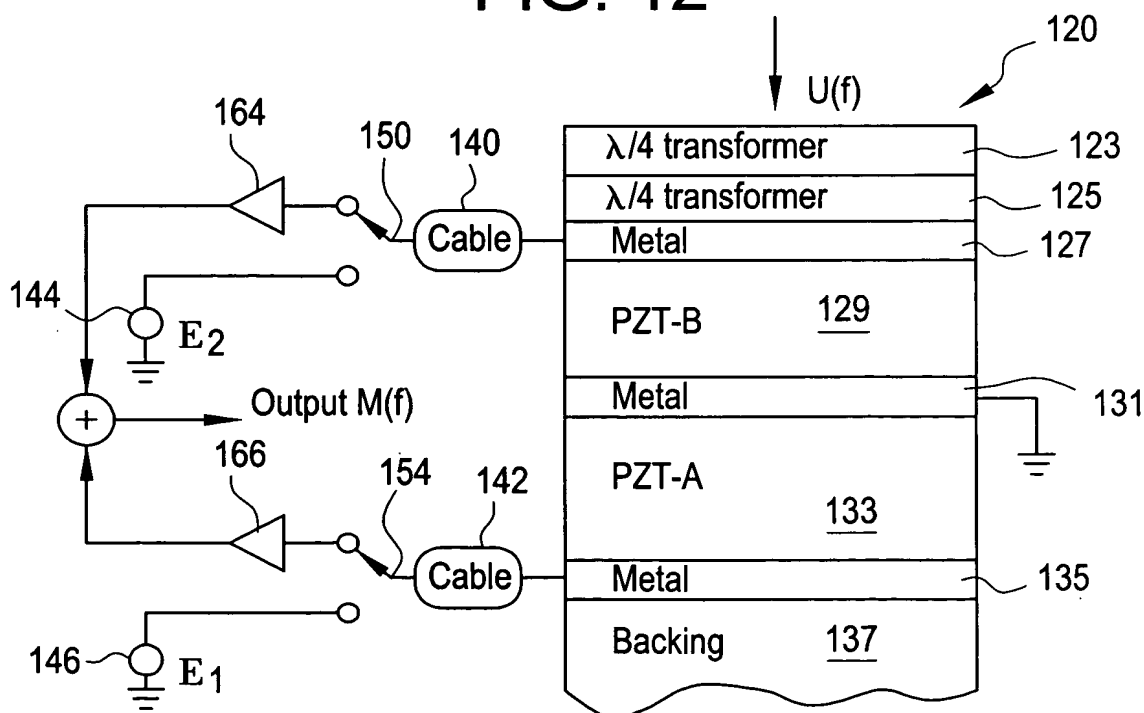
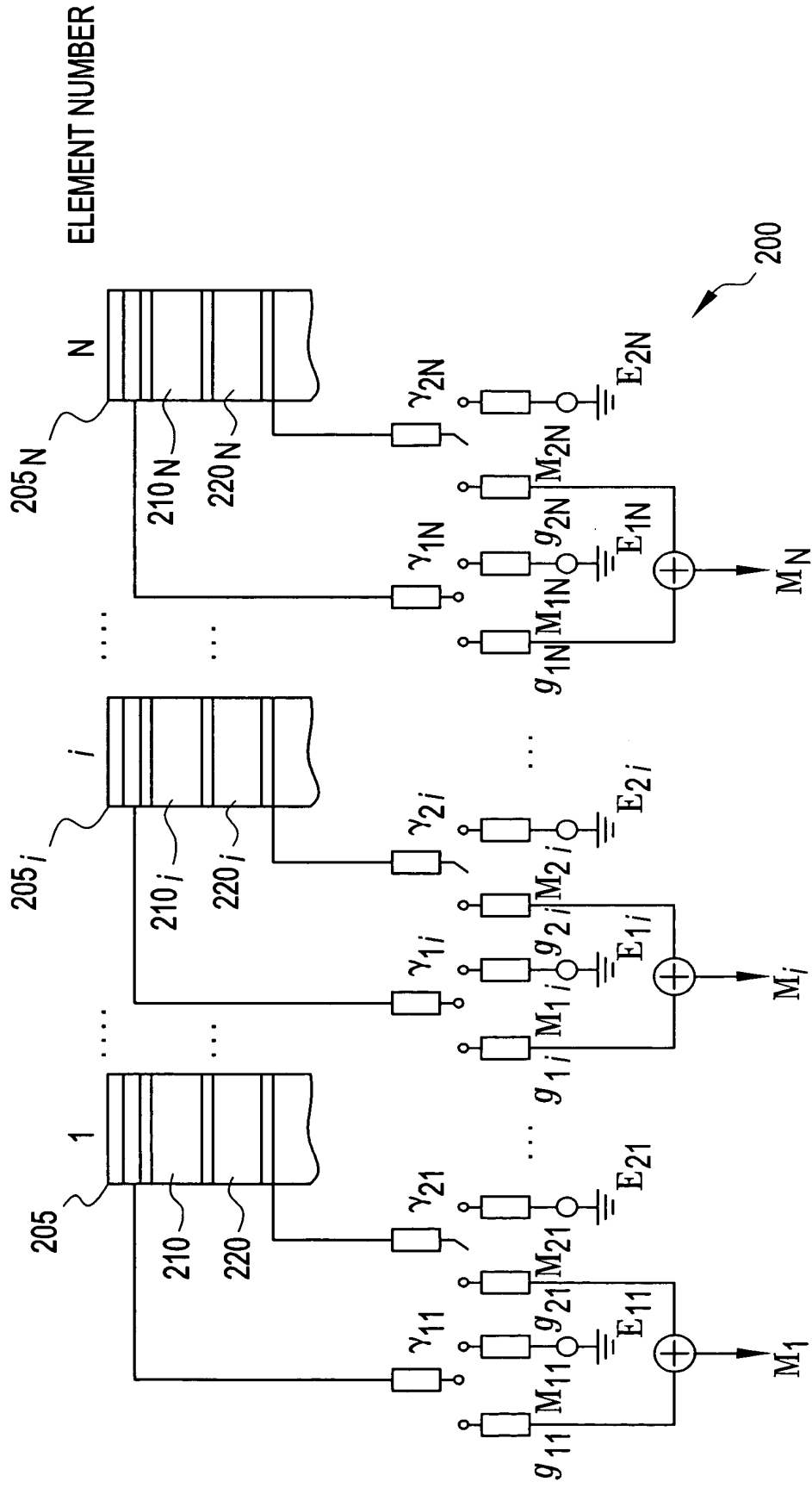


FIG. 13



TO BEAMFORMING
ARRAY CONFIGURATION WITH ELEMENT VARIABLE FILTERING